### SBW\_09 Mur porteur en grosses bottes de paille | Load-bearing wall of jumbo straw bales | Muro portante en balas de paja grandes

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Thermal resistance (m2.K/W): | 15.3 | **U.** | **Qty.** | **Density** | **Weight** | **Therm. Cond.**  **λ** | **Heat**  **capacity** | **Air q.** | **MU** | **Climate change** (GWP) | **Primary Non-Renewable Energy**  (PENRT) | **Sources** |
| Heat transmission delay ∆t (h): | 52.01 |
| Heat transmission factor (%): | 0.00 |
| Heat capacity (1 day) kJ/m²K: | 53 |
| Heat capacity (12 days) - kJ/m²K: | 635 |
| Bio resources volume (m3/m²): | 1.32 |
|  | |  |  | *kg/m3* | *kg/m²* | *W/m°C* | *Wh/kg.K* |  |  | *kg. eq. CO2* | *MJ* |  |
| 1. Enduit à la chaux | Lime render | Enlucido de cal | | mm | 40 | 1600.0 | 89.60 | 0.700 | 0.24 | A+ | 8 | +13.24 | +125.05 | [EPD (Verified)](https://www.base-inies.fr/iniesV4/dist/consultation.html?id=%204249) |
| 2. Botte de paille | Jumbo straw bale | Bala de paja grande | | mm | 1200 | 160.0 | 192.00 | 0.080 | 0.44 | A+ | 2 | -45.76 | +132.99 | [EPD (Verified)](https://www.base-inies.fr/iniesV4/dist/consultation.html?id=%203248) [Straw construction standard](https://rfcp.fr/les-regles-professionnelles/) [RFCP](http://www.rfcp.fr/) |
| 4. Lisse en bois | Wooden wall plate | Zuncho inferior y superior de madera | | \_\_x\_\_x\_\_ | 2000x1200x50 | 449.3 | 53.80 | 0.130 | 0.44 |  | 120 | +11.83 | +571.92 | [EPD (Verified)](https://www.base-inies.fr/iniesV4/dist/consultation.html?id=%2014194) [CLT France](http://www.clt-france.fr/) |
| 3. Enduit à la chaux | Lime render | Enlucido de cal | | mm | 40 | 1600.0 | 89.60 | 0.700 | 0.24 | A+ | 8 | +13.24 | +125.05 | [EPD (Verified)](https://www.base-inies.fr/iniesV4/dist/consultation.html?id=%204249) |
| **SUM** | | **mm** | **1280** |  | **425** |  |  |  |  | **-7.45** | **+955.01** |  |

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